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Ref. No. 1503.65173
Sheet 1 of 21 (312) 360 0080

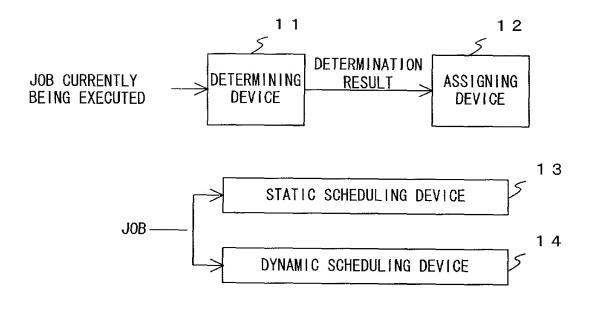
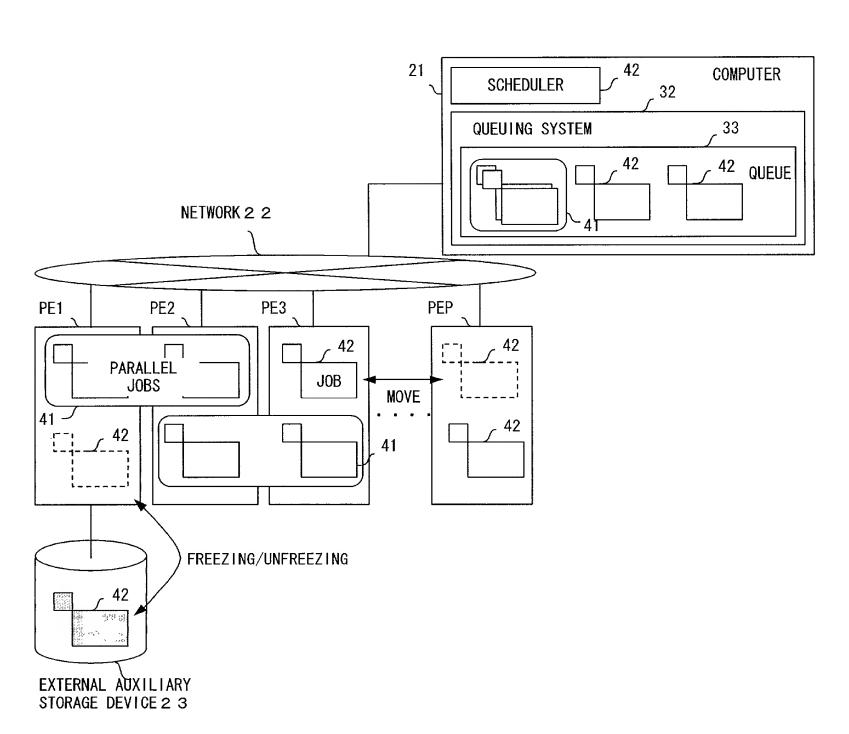
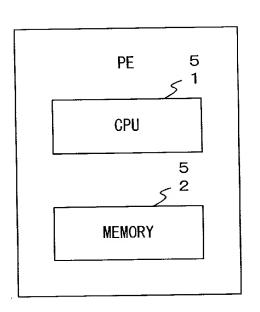


FIG. 1

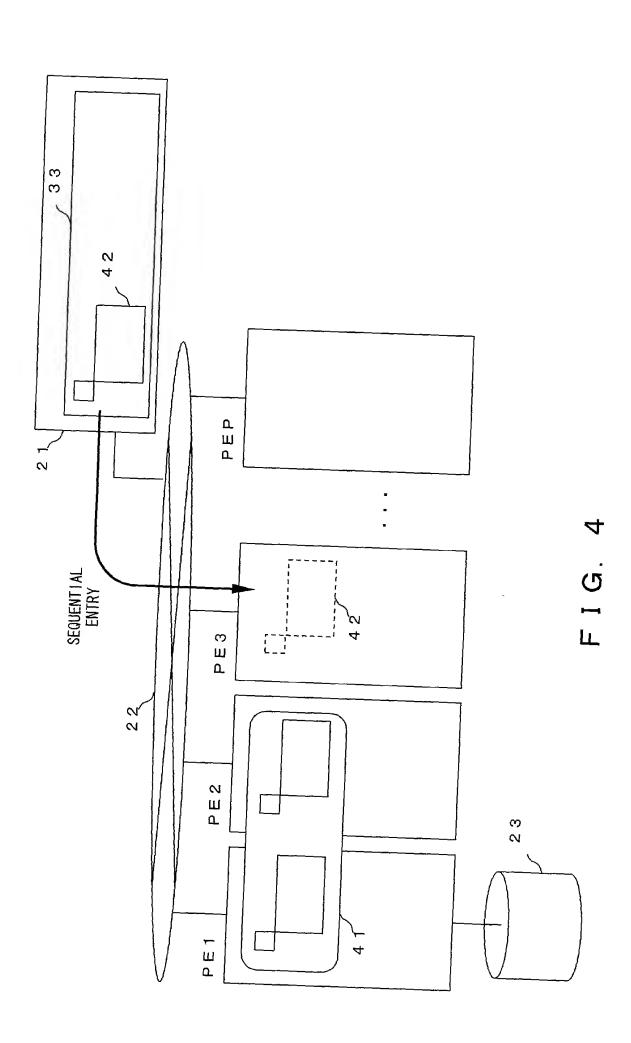


F I G. 2

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Ref. No. 1503.65173
Sheet 3 of 21 (312) 360 0080

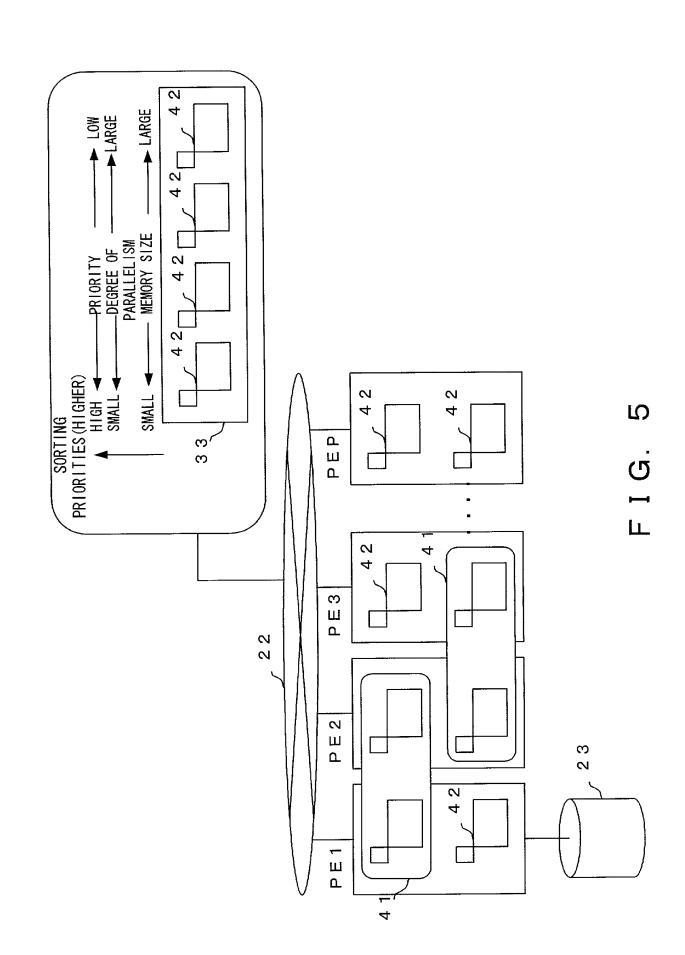


F I G. 3

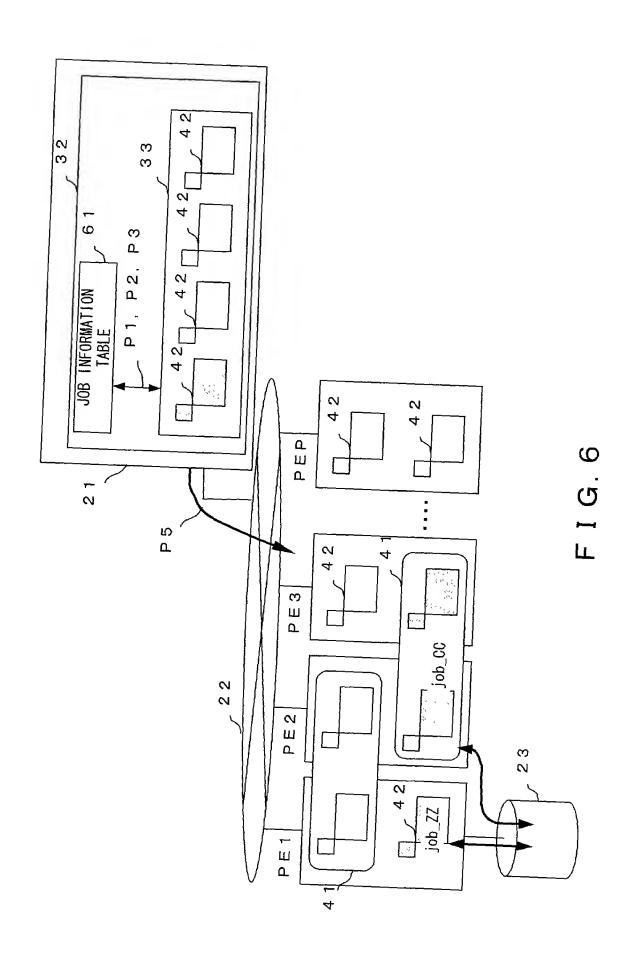


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Ref. No. 1503.65173
Sheet 4 of 21 (312) 360 0080

SCHEDULING APPARATUS PERFORMING ...
Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 5 of 21 (312) 360 0080



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Ref. No. 1503.65173
Sheet 6 of 21 (312) 360 0080

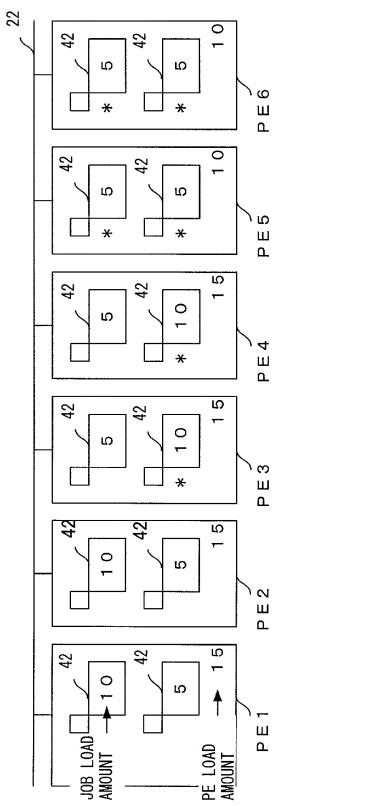


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Ref. No. 1503.65173
Sheet 7 of 21 (312) 360 0080

MEMORY SIZE	DEGREE OF PARALLELISM	
	9	1 6
	8	1 8
	9	1 6
1	8	2 8
	1	10 1
	2	10 2

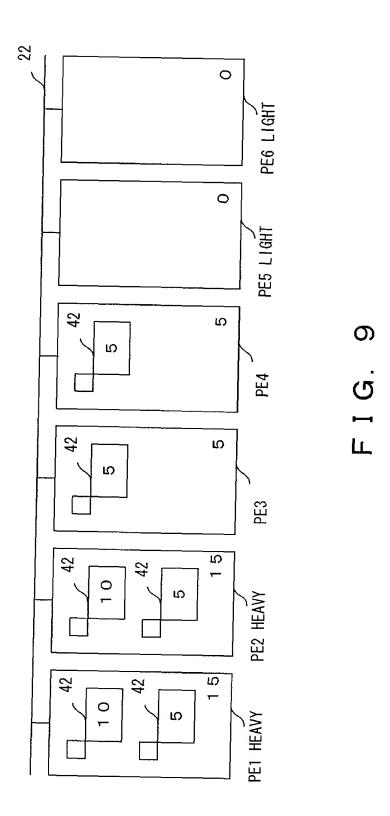
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Ref. No. 1503.65173
Sheet 8 of 21 (312) 360 0080

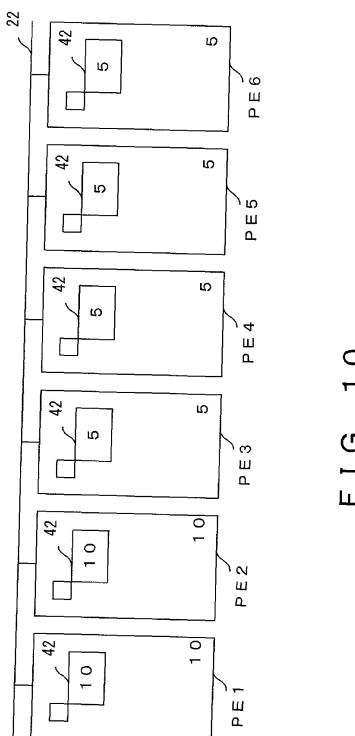


F I G. 8

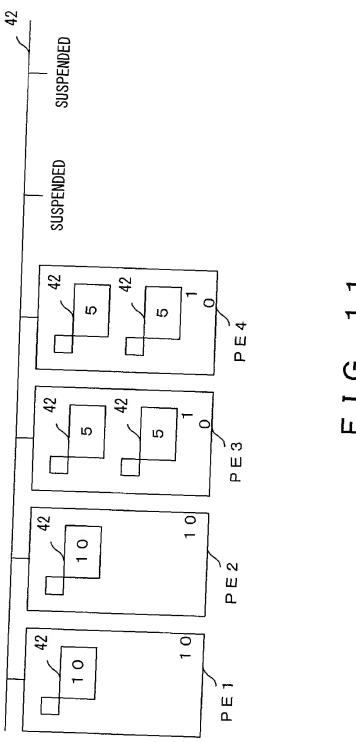
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Ref. No. 1503.65173
Sheet 9 of 21 (312) 360 0080



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Koichiro Yamashita
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Ref. No. 1503.65173
Sheet 10 of 21 (312) 360 0080



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Koichiro Yamashita
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 1503.65173
Sheet 11 of 21 (312) 360 0080



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Ref. No. 1503.65173
Sheet 12 of 21 (312) 360 0080

NORMAL OPERATIONS

S 1

NO SCHEDULING POINT?

S 4

LOAD DISPERSION
CALCULATION

S 1

YES

7 1

LOAD DISPERSION
CALCULATION

JOB MEMORY SIZE

FIG. 12

IMBALANCE

SCHEDULING

YES

S 5

S 6

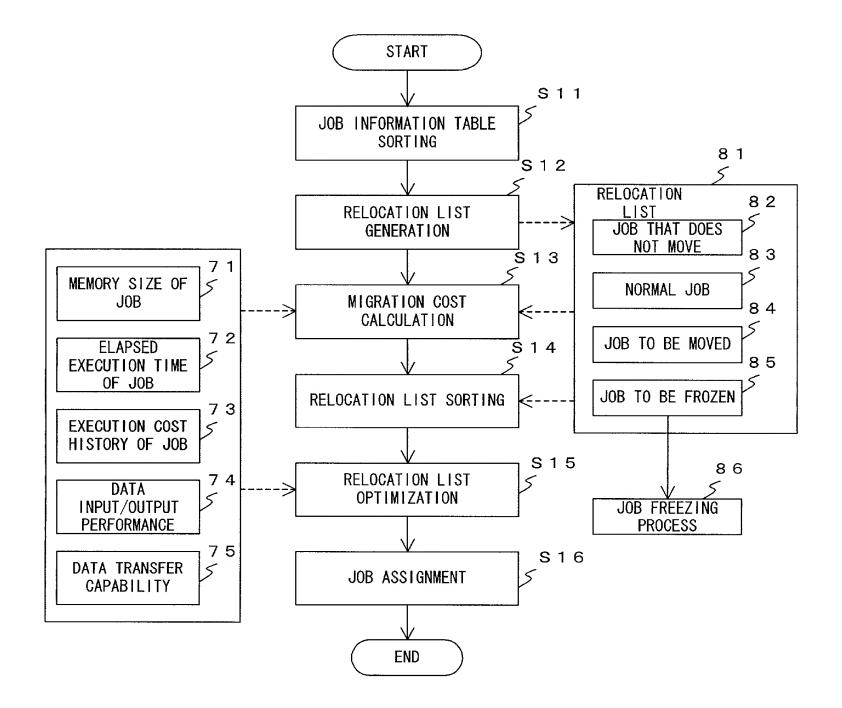


FIG. 13

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Ref. No. 1503.65173
Sheet 14 of 21 (312) 360 0080

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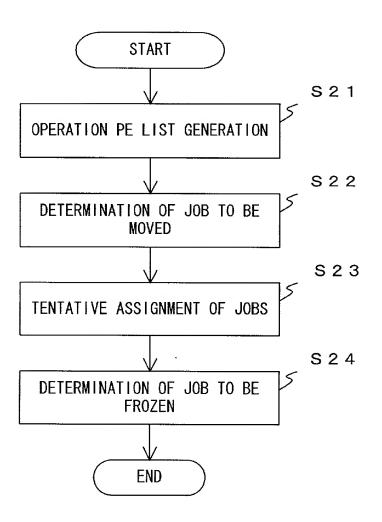
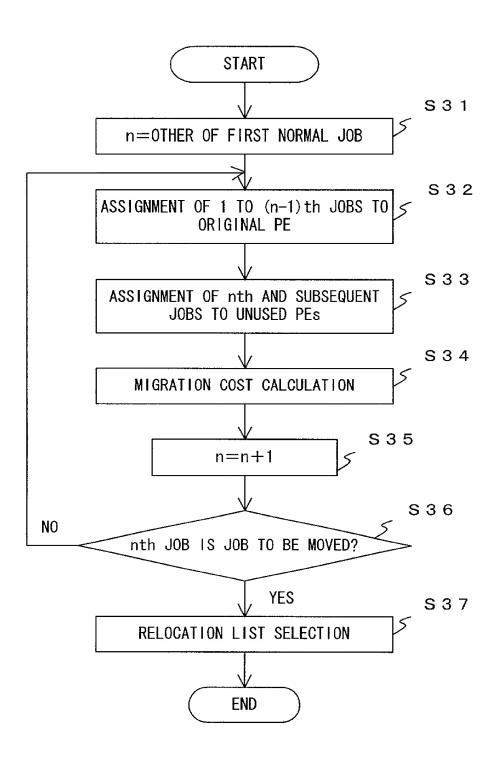


FIG. 14

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Ref. No. 1503.65173
Sheet 15 of 21 (312) 360 0080

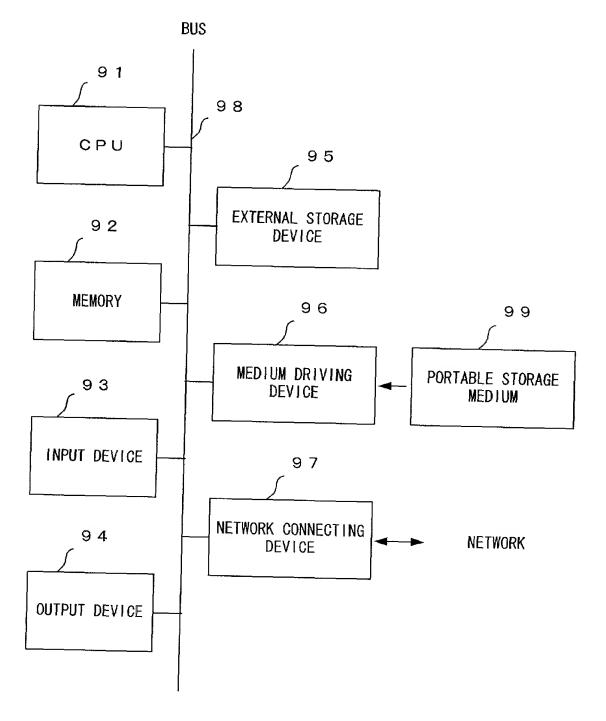


F I G. 15

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Ref. No. 1503.65173
Sheet 16 of 21 (312) 360 0080

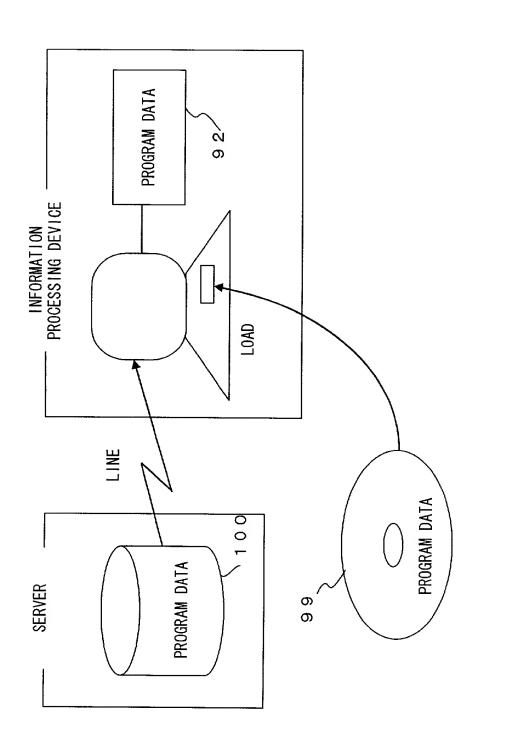
START S 4 1 p = 1S 4 2 a=DEGREE OF PARALLELISM OF nth JOB S 4 3 YES p + a - 1 > P? S 4 8 NO S 4 4 ASSIGNMENT OF nth JOB TO 1 TO (p+a-1-P)th AND p TO ASSIGNMENT OF nth JOB TO p TO (p+a-1)th PES Pth PEs S 4 9 S 4 5 p = p + ap = p + a - Pn = n + 1S 4 7 YES nth JOB EXISTS? , NO **END**

FIG. 16



FIG, 17

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Ref. No. 1503.65173
Sheet 18 of 21 (312) 360 0080



F I G. 18

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Ref. No. 1503.65173
Sheet 19 of 21 (312) 360 0080

	SEQUENTI AL FXFCILLION	DITETTE SCHEDITI ING	HIE	HIERARCHICAL SCHEDULING	ıLıng
			80=25	§ 0=50	80=75
TOTAL EXECUTION TIME [Sec]	8.56×10^6	$6 \times 10^6 6.22 \times 10^6$	5.48×10 ⁶	5.62×10 ⁶	5.71×10 ⁶
PERFORMANCE RATIO (SEQUENCE = 1)	-	0.72	0.64	0.65	99.0
PERCENTAGE OF MEMORY	23	34	52	49	48

F I G. 19

SCHEDULING APPARATUS PERFORMING ...
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Ref. No. 1503.65173
Sheet 20 of 21 (312) 360 0080

		1	ī	T
LING	80=75	5.01 × 10 ⁶	0.82	52
HIERARCHICAL SCHEDULING	09=0Q	4.10×10 ⁶	0.67	57
HIER	80=25	4.89×10 ⁶	08.0	55
OHEHE SCHEDIII ING	שטבטר טטויבעטרוויט	5.62×10 ⁶	0.91	36
SEQUENTI AL FXFCIITION		6.12×10 ⁶	_	25
	400	TOTAL EXECUTION TIME [sec]	PERFORMANCE RATIO (SEQUENTIAL = 1)	PERCENTAGE OF MEMORY USE [%]

FIG. 20

SCHEDULING APPARATUS PERFORMING ...
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Ref. No. 1503.65173
Sheet 21 of 21 (312) 360 0080

	SEQUENTIAL	OHEHE SCHEDIII INC	HIE	HIERARCHICAL SCHEDULING	JL ING
	NO. 10	WUEUE SOMEDULING	80=25	00=20	\$0=12
TOTAL EXECUTION TIME [sec]	5.68×10 ⁶	5.68×10 ⁶ 5.49×10 ⁶	5.12×10 ⁶	5.03 × 10 ⁶	4.78×10 ⁶
PERFORMANCE RATIO (SEQUENTIAL=1)	y	26.0	06'0	0.88	0.84
PERCENTAGE OF MEMORY USE [%]	21	33	48	45	50

F I G. 21